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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,990	02/06/2004	Robert K. Barr	52096	7094
75	590 12/29/2004		EXAMINER	
EDWARDS & ANGELL, LLP			LEE, SIN J	
P.O. Box 55874 Boston, MA 02205			ART UNIT	PAPER NUMBER
ŕ			1752	

DATE MAILED: 12/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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•	Application No.	Applicant(s)					
	10/773,990	BARR ET AL.					
Office Action Summary	Examin r	Art Unit					
	Sin J. Lee	1752					
The MAILING DATE of this c mmunication a	appears on the c ver sheet	with the c rrespondence address -	-				
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a r  - If NO period for reply is specified above, the maximum statutory perion  - Failure to reply within the set or extended period for reply will, by state  - Any reply received by the Office later than three months after the may  - earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may reply within the statutory minimum of od will apply and will expire SIX (6) Mutte, cause the application to become	a reply be timely filed  hirty (30) days will be considered timely.  ONTHS from the mailing date of this communica  ABANDONED (35 U.S.C. § 133).	ntion.				
Status							
1) Responsive to communication(s) filed on 06	February 2004						
	his action is non-final.						
· <u> </u>		atters, prosecution as to the merits	s is				
·	) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-10</u> is/are pending in the application	on.						
4a) Of the above claim(s) is/are withd							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-6 and 8-10</u> is/are rejected.	·						
7) Claim(s) 7 is/are objected to.							
8) Claim(s) are subject to restriction and	d/or election requirement.						
Application Papers		,					
9) The specification is objected to by the Exami	iner.						
10)⊠ The drawing(s) filed on <u>06 February 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the corr		• •	1(d).				
11) The oath or declaration is objected to by the							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for forei	an priority under 35 U.S.C	§ 119(a)-(d) or (f)					
a) ☐ All b) ☐ Some * c) ☐ None of:	g., p.,, a.,.a., cc c.c.	. 3					
1. Certified copies of the priority docume	ents have been received.						
2. Certified copies of the priority docume		Application No.					
3. Copies of the certified copies of the pr		· · · ———					
application from the International Bure	· ·	3					
* See the attached detailed Office action for a li		ot received.					
,							
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview	v Summary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper N	o(s)/Mail Date					
<ol> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 11/01/04.</li> </ol>	08) 5) Notice of 6) Other:	f Informal Patent Application (PTO-152)					
. 2001 110(3)1111011 Date 11/01/04.		- <del></del>					

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-6 and 8-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Kuchta (5,112,721).

Kuchta teaches (col.4, lines 9-68, col.3, lines 1-56) a photopolymerizable composition containing (1) at least one ethylenically unsaturated monomer; (2) at least one *polymeric binder*, (3) an initiator system which includes a hexaarylbisimidazole, a *chain transfer agent*, and a sensitizer; (4) a co-sensitizer which specific example is shown in col.12 and also shown below;

$$(CH_3CH_2)_2N$$
  $-CH$   $=$   $CH$   $N(CH_3CH_3)_2$ 

The co-sensitizer shown above teaches present sensitizer of formula (I) of claim 1 and present cyclopentanone based conjugated photosensitizer of claim 4. Kuchta teaches (col.9, lines 48-51) the amount of the co-sensitizer to be 0.01-0.2%. Therefore, the prior art teaches present range of 0.005wt%-10 wt% of claim 6; as stated in <a href="In re Wertheim">In re Wertheim</a>, 541 F.2d 257, 191 USPQ 90 (CCPA 1976), "the disclosure in the prior art of any value within a claimed range is an anticipation of that range." Also, since the prior art teaches present amount of claim 6, it is the Examiner's position that Kuchta's composition

in the imaging composition upon application of energy at intensities of 5mW or less as presently recited in claim 1, 4, and 8. Kuchta applies his photopolymerizable composition onto a substrate and imagewise exposes the coated film to light sources such as neodymium:YAG laser, xenon, argon ion, and ionized neon laser, tunable dye lasers. Therefore, the prior art teaches present inventions of claims 1-6 and 8-10.

## Allowable Subject Matter

- 3. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Although Kuchta teaches present sensitizer, a solvent (a diluent), an acrylic polymer, the prior art does not teach or suggest present thickener of claim 7.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sin J. Lee whose telephone number is 571-272-1333. The examiner can normally be reached on Monday-Friday from 9:00 am EST to 5:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly, can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Business Center (EBC) at 866-217-9197 (toll-free).

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\$ . J . L. S. Lee

December 26, 2004

Sin J. Lee

Patent Exammer

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